



G00002

- 27 -



162162

ABSTRACT

METHOD AND SYSTEM FOR CONTRAST ENHANCEMENT OF DIGITAL VIDEO

A method for enhancing the contrast of video pictures including the steps of:

- (i) receiving an input video signal;
- 5 (ii) extracting a picture from said input video signal;
- (iii) determining an active window for said picture;
- (iv) calculating a histogram for luminance values of pixels in said active window of said picture;
- (v) determining characteristics of said histogram;
- 10 (vi) selecting one suitable mapping function from a plurality of mapping functions based on the determined characteristics of said histogram; and
- (vii) mapping the luminance value of each pixel in said picture in accordance with said selected mapping function.